

Kentucky

Department for Public Health

2002

Annual Report



Paul E. Patton, Governor
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COMMONWEALTH OF KENTUCKY

Department for Public Health
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INTRODUCTION

"We are in business to help Kentuckians be well."

Department Overview

The Department for Public Health (DPH) is the only agency in Kentucky responsible for developing and operating all public health programs for the people of the Commonwealth. Kentucky Revised Statute 194.030 created DPH to "develop and operate all programs of the cabinet that provide health services and all programs for the prevention, detection, care and treatment of physical disability, illness, and disease."

In Fiscal Year 2002, DPH expended a total of **\$185,097,039** with **63.4 percent** of these expenditures from federal dollars. Total expenditures for Kentucky's state and local health departments were approximately **\$306 million**, which comes from state and federal funds, local taxes, local agency funds and fees for services. One of three departments in the Cabinet for Health Services, DPH has a staff of **383** at the state level divided among six Divisions described below:

1. The **Division of Adult and Child Health** promotes maternal and child health by developing systems of care and by providing health and nutrition services to women, infants and children. ACH also includes programs for all Kentuckians through chronic disease control, health care access and drug enforcement.
2. The **Division of Epidemiology and Health Planning** is responsible for communicable disease prevention and control, disease surveillance and investigation, injury prevention and research and maintenance of Vital Statistics and health data, including hospital data and county health profiles.
3. The **Division of Laboratory Services** provides analysis and quality control for health department laboratories and reference services to laboratories. The central lab also conducts metabolic screening for all newborns in Kentucky.
4. The **Division of Local Health Department Operations** provides administrative support to local health departments in all 120 counties of the Commonwealth. New to this Division is the Public Health Nursing Branch, which provides technical support to public health nurses.
5. The **Division of Public Health Protection and Safety** protects Kentuckians from unsafe consumer products, radiation and other toxic exposure, unsanitary milk, adulterated and misbranded food, unsanitary public facilities and malfunctioning sewage systems.
6. The **Division of Resource Management** develops and oversees the Department for Public Health's budget as well as local health departments' fiscal planning, allocations and payments, and their administrative and management practices. The Division also manages Departmental procurement/contracts and information technology programs.

The best known public health events of FY 2002 were related to the "9-11" attacks on New York and Washington, D.C. and the subsequent anthrax attacks on Miami, New York. and Washington D.C. These events changed the face of the nation and its public health system for the foreseeable future. Weapons of mass destruction and bioterrorism became part of the language of public health.

The Department for Public Health, the Cabinet for Health Services, and nearly every other state agency came together to protect the state from biologic attack. Protocols for handling suspicious and other "powers" were developed and the governor established a security group to meet routinely to work on the myriad of issues related to protecting the state. University medical centers suddenly expanded the scope of communicable disease training and ramped up their preparedness for an extinct disease...smallpox. The nation moved forward with all due speed to acquire a supply of smallpox vaccine. The state public health laboratory modified its tuberculosis lab to screen over 1000 specimens submitted from across the state to "rule out anthrax." The nation appropriated several billion dollars for "bioterrorism" and instructed the state health departments and emergency management agencies to prepare broad based plans for managing as many as 5000 casualties in local, regional, and state plans. The CDC grant is to prepare for "bioterrorism, communicable disease emergencies, and other public health emergencies" and the HRSA grant is to prepare the state's hospitals to respond to bioterrorism and other mass casualty events.

The Kentucky Department for Public Health prepared grant proposals to the Health Resources and Services Administration (HRSA) and the Centers for Disease Control and Prevention (CDC) for approximately \$15million. In less than two months staff had these complex grant proposals ready for the governor to sign.

Early in the fiscal year, the Department for Public Health and the Louisville-Jefferson County Health Department and others participated in the first time ever live test of the national pharmaceutical stockpile. Elements of the Jefferson County Emergency Management Agency, Kentucky Air National Guard and others joined the public health departments to see how well we could actually manage tons of federally supplied medical equipment in a simulated biologic attack in Louisville during the state fair. We did quite well.

In addition to these new challenges, the Department for Public Health responded to the challenge of declining state revenues, serious problems in obesity, cardiovascular disease, and diabetes. Our tuberculosis rates continue to drop as does our infant mortality rate. Also, the KIDS NOW program has used about 25% of the tobacco settlement money to reduce birth defects from folic acid deficiency, to reduce the prevalence of tobacco use in youth, and to help high risk mothers deliver healthy babies. Preliminary results from the HANDS program indicate that the coaching that these first time high risk mothers get, is making a significant difference.

Rice C. Leach, MD, Commissioner

PROGRAM ACHIEVEMENTS

Commissioner's Office

The Commissioner's Office is responsible for the general management, oversight, and establishment of policy for the Department for Public Health (DPH). It advises the heads of agencies in state government on issues relating to public health, including actions necessary to safeguard the health of the citizens of the Commonwealth. The Commissioner serves as Chief Medical Officer of the Commonwealth. Additional roles of the Commissioner's Office include health care reform, strategic planning and enhancement of local health departments.

The Office coordinates legislation and regulations among the six Divisions and between the Department and other agencies of state government. This involves reviewing pending legislation for Departmental impact, responding to requests from the General Assembly, coordinating presentations before committees, and maintaining communication on legislative issues. Staff also coordinate the Department's activities in promulgating regulations and making appointments to various boards and councils.

The Commissioner's Office staff provides the Department's Divisions with expertise in the legislative process, such as proposed bill review and administrative regulation development and interpretation.

The Director of Nursing provides professional consultation to the DPH Commissioner, Executive Staff, state and local health department administrators, and approximately **1,100** nurses practicing in local health departments. She directs the operation of nurse-managed employee health centers in for state employees and she is also the Department's Principal Nurse Consultant to the Cabinet, universities, and community-at-large.

Division of Adult and Child Health

The **Division of Adult and Child Health** is responsible for identifying risks to good health and for developing methods to reduce those risks through population and personal preventive services. Staff set standards to focus more on outcomes than on processes. This outcome-based approach also gives local health departments increased flexibility.

Maternal and Child Health Branch

The Maternal and Child Health Branch implements services for preventive health screenings, education and clinical services including: family planning; maternity care; well-child examinations; home visiting through the HANDS program; as well as early childhood initiatives, such as folic acid and childcare.

Family Planning is provided to individuals including information about the means to choose the number and spacing of children. The Family Planning and Population Research Act of 1970 (Title X) authorizes grants for contraceptive methods, infertility services and services for adolescents. The funds earmarked for family planning provide comprehensive medical, social and abstinence counseling services through **154** clinic sites in all **120** counties.

The Branch oversees maternity services in health departments with the goal of reducing maternal and infant mortality and decreasing the need for high cost neonatal intensive care. Comprehensive prenatal services, which include: health screening and counseling prior to conception; outreach and follow-up; nursing and nutrition counseling; preterm birth prevention screening and education; laboratory tests; delivery and home visits are available to low-income women.

The Branch oversees the evaluation and treatment of children with inborn errors of metabolism identified by newborn screening, as well as follow-up treatment for infants born with sickle cell disease. Referrals to university diagnostic centers were made for **464** infants with positive or inconclusive results for phenylketonuria (PKU), galactosemia, congenital hypothyroidism. Thirteen were placed on treatment for sickle cell. Three (3) children were placed on treatment for PKU. **18** were placed on treatment for congenital hypothyroidism, **14** for D/G, a galactosemia variant. One (1) patient was placed on treatment for classical galactosemia. Special formula for PKU was provided free to **75** patients.

During Fiscal Year 2001, the Branch enabled local health departments and other agencies to provide services to the following number of unduplicated patients: adult health preventive clinical visits to **174,861** people; family planning services to **111,344** people; maternity services to **23,731** women; Pap tests to **57,629** women and preventive services to **234,814** children. First Steps provided diagnosis and early

intervention services for chronic illness or developmental delays to **9,872** children, **6,945** of whom were found to have developmental delays or risk conditions that affect their development. This program is now transferred to the Commission for Children with Special Health Care Needs.

The Branch oversees child health services provided by local health departments. These services promote the health of infants, children and adolescents. They reduce the incidence of preventable disease, injuries and disabling conditions. Preventive services include: health history and physical examinations; laboratory tests; immunizations and health education.

Diagnosis and treatment of children with chronic illnesses; evaluation of children with possible developmental delays; genetic counseling and childhood lead poisoning prevention and screening are other services of the Branch. Lead screening was provided to **22,653** children, of which **61** were confirmed as having lead levels above 20 ug/dL. Training in lead poisoning prevention management was provided to **120** people from across the nation.

Grief counseling is offered to any family whose child under 18 years of age has died. Grief counseling was offered to **59** families, **26** accepted. The Maternal and Child Health Branch also publishes an annual Child Fatality Review providing statistics and suggested interventions for the prevention of future fatalities.

The Health Access and Nurturing Development Services (HANDS) provided home visiting services for first-time mothers to **6,643** families. This is a home visitation to overburdened families to assist them in meeting the challenges of parenting during the prenatal period and continuing during the children's first two years of life. The program is now provided in **103** counties.

Folic Acid supplementation is provided to all women of childbearing age, along with education regarding the prevention of neural tube defects. **117,230** women have received folic acid supplementation and counseling.

The Branch provides technical assistance and education to childcare providers throughout Kentucky in order to promote a healthy environment for young children in out-of-home settings. The education addresses health, safety nutrition and social/emotional needs. Consultants are available through local health departments. **88** consultants have been trained in the first year of this new program.

Along with HANDS and Folic Acid, Healthy Start in Childcare is a Kids NOW Initiative. Healthy Start staff has made **8,588** consultations to childcare providers and conducted **2,323** classes.

Following the Surgeon General's call stating that our public health system must respond as readily to the needs of children's mental health, the consultants have included a behavioral assessment tool entitled, the Devereux Early Childhood Assessment (DECA), in their services. Parents and/or teachers can use this tool to help build resiliency in children. The Healthy Start consultants have provided approximately **100** DECA interventions.

The Branch identifies children with birth defects and disabling conditions through the Kentucky Birth Surveillance Registry (KBSR). This service is coordinated with Genetic Services and the KEIS program to offer services to children at-risk who have developmental challenges. KBSR also provides educational trainings regarding birth defects and genetic conditions, and promotes prevention activities related to birth defects.

The Branch offers abstinence education through a federal grant. Local health departments are provided funding allocations to provide abstinence education services. Abstinence education has been provided to over **25,000** adolescents.

The Branch offers arthritis education. A federal grant to plan for statewide collaboration of service providers and patients is being used to establish a network for the effective treatment of arthritis, enabling people to function at the highest level possible. **Ten (10)** community-based projects offer individual and group self-help intervention. All 55 local health departments provide arthritis education for patients.

Chronic Disease Prevention and Control Branch

The Chronic Disease Prevention and Control Branch is responsible for decreasing the morbidity and mortality from chronic diseases. Emphasis is on prevention and risk factors that can be reduced through healthy lifestyles. The Branch puts a significant amount of effort into decreasing the use of tobacco, increasing physical activity and improving the eating habits of Kentuckians. The use of preventive screening tests, such as Pap tests and mammograms, is also promoted through the Branch's efforts. The Branch's programs include: cardiovascular health; diabetes; breast and cervical cancer screening; tobacco; health education and promotion and home health. The Branch provides funding to local health departments for community-based services aimed at individuals and at bringing about policy and environmental changes that will improve the health status of Kentuckians. Achievements of the Branch's six (6) major programs follow.

The Kentucky Women's Cancer Screening project provides breast and cervical cancer screening and diagnostic follow-up services to low-income women. Local health departments provided **17,441** screening and **3,459** diagnostic mammograms for FY 2002. Local health departments provided a total of 97,359 Pap tests. Local health departments provide cancer risk counseling, clinical breast exams, Pap tests and pelvic

exams. **Forty-six** community breast and cervical cancer coalitions were funded across Kentucky to reach low-income women with screening.

The Tobacco Use Prevention and Cessation Program expanded its capacity in 2002 to reduce preventable deaths and disease in Kentucky through prevention education and cessation assistance. Master Settlement Agreement funding became available which allowed the program this expansion from the original **11** local health departments to all **55** local health departments covering all **120** counties. The Program continues to focus on the four CDC goals: youth use prevention; cessation assistance for adults and youth who want to become nonsmokers; eliminating nonsmokers' exposure to second-hand smoke and identifying and eliminating disparities among population groups disproportionately affected by tobacco use. Local and state efforts include: development of local coalitions to assist with plan development and implementation of strategies including community; school; cessation intervention; media coverage; and surveillance and evaluation programs. At least one (1) adult cessation assistance program is now available in **96%** of the local service area. Efforts are continuing to introduce these programs throughout Kentucky. New Partners, the Kentucky Carpenter's Union, and at least one major insurance company, have come forward to assist by providing related health benefit coverage (nicotine replacement therapy) for members participating in these programs. All local health departments have received training targeting pregnant smokers and mothers of young children, one of the most profoundly affected special populations in Kentucky. The second Kentucky Youth Tobacco Survey was completed and results will be disseminated. Over **95%** of the public health services areas have school systems that are cooperating in providing youth education and cessation education for teens. State efforts have also focused on increasing awareness of the health risks associated with tobacco use and engaging new partners to assist in the mission of the program. Current partners include: Kentucky Cancer Program; American Heart Association; American Lung Association; American Cancer Society' state universities; Campaign for Tobacco Free Youth and many others. The KMA gave their endorsement to the program through a formal resolution. Governmental partners include: Office of the Attorney General; the CFC; KDE; MHMR and the Office on Women's Mental and Physical Health. The Program received a \$25,000 competitive grant to address teen smoking.

The Cardiovascular Health (CVH) Program seeks to decrease the impact of cardiovascular disease among Kentuckians, primarily through the building of program capacity to address policy and environmental changes related to primary and secondary prevention. This Program collaborates with a wide variety of public and private partners to facilitate system and community changes at the state and local levels. Interventions are population-based with focus on the following four settings: communities; worksites; schools and health care systems with identified priority populations of women; African-Americans; youth; and people living in low-income, rural areas at particular risk for developing cardiovascular disease. Jefferson County Health Department receives funding to address disparities in the African-American population.

The Kentucky Cardiovascular Health Coalition (KCVHC), a broad-based network of partners representing diverse organizations, and their interest in cardiovascular health mission is: "To help individuals, families, and communities find pathways to improve cardiovascular health." These members represent 90 organizations and agencies across the Commonwealth of Kentucky. The KCVHC has made significant strides in the development of a sound infrastructure. An Executive Committee has been established comprised of the Coalition's elected officers and workgroup chairpersons, as well as representatives from Public Health, Education and the American Heart Association. The Coalition's Workgroups focus on: Nutrition, Physical Activity, Tobacco and Medical Management & Healthcare Systems. The workgroups meet independently from the entire Coalition and work on achieving the objectives set out in the State Plan for their particular area of focus.

A 2001 Kentucky Worksite Cardiovascular Health Survey is complete with the report to be published soon. Highlights of the survey of **317** Kentucky worksites with **100** or more employees:

- 40% have wellness programs - with larger business more likely to have programs
- 49% offered screening for common chronic conditions such as high blood pressure, high cholesterol and diabetes
- 79% of worksites **DO NOT** have a policy regarding healthy food choices in the workplace (vending machines, cafeterias, business meetings or company events)
- 54% of worksites are smoke-free

Kentucky worksites represent an ideal venue for educating workers about healthy lifestyles and employers have an excellent opportunity to implement policies and programs that will support positive lifestyles and improve the health of Kentuckians. The report will be distributed to the worksites that were sent the survey, state and local health agencies, the KCVHC and other appropriate organizations and agencies.

This Program has a close partnership with the Kentucky Department of Education (KDE). Through this partnership, an important tool developed is the grade-level specific cardiovascular units of study (focusing on physical activity, nutrition and tobacco) for elementary through high school. Approximately **600** school personnel and **80** health department staff have been trained with the cardiovascular units of study. Health department staff participated in a professional development session on health policy in **16** school districts. **48** schools participated in an internal look at their policies and environment in relationship to PANT (Physical Activity, Nutrition & Tobacco). An additional **25** schools wanted to participate, yet funding was not available. To do this assessment, representatives of the KDE, CVH Program and local health departments revised the School Health Index for Kentucky. The CVH Program is participating in KDE's development of a Comprehensive Plan for Coordinated School Health. The

ultimate goal is to have coordinated school health teams in each school that will provide health support and help all children reach proficiency by 2014.

The Diabetes Control and Prevention Program (DCPP) seeks to decrease the impact of diabetes among Kentuckians primarily by means of population-based approaches. This effort targets individuals with and at risk for diabetes and is supported with both State and Federal (CDC) funds. The Federal funds are directed at improving **five (5)** federally defined performance measures related to individuals with diabetes. All five performance measures (A1C testing, flu and pneumococcal immunization, foot and eye exams) have shown significant improvement over the current grant cycle including some reduction in the documented disparities for the African American, Appalachian and senior populations. The state-funded portion of the program underwent a re-design last year. A committee of public and private partners met and made recommendations for the design of a new program which most efficiently utilizes the funds in an ongoing, coordinated effort which augments and compliments the Federal efforts. Special attention was given to collaboration with other programs and organizations that promote physical activity and healthy nutrition in persons who do not yet have diabetes. Implementation began this fiscal year. The Kentucky Department for Public Health, in conjunction with a committee of individuals representing state and local public health agencies and other public and private partners, developed recommendations regarding the design of a new and up-to-date diabetes prevention and control program. The recommendations were implemented July 1, of the current fiscal year. Recognizing that existing funds were not sufficient to support implementation of all aspects of the program statewide, this design has been implemented at the following three levels of activity:

- **Level 1** – Public Awareness* (*LHDs covering all 120 counties*)
- **Level 2** – Public Awareness* plus Community Education* (*LDHs covering 58 counties*)
- **Level 3** – Public Awareness*, Community Education*, plus Professional Education/Quality Improvement*, Community Coordination* and certain state-level activities (*LHDs covering 29 counties*)

The Program collaborates with a wide variety of public and private partners to implement various community interventions, as well as facilitate system and community changes at the state and local level. Although activities are directed statewide, high-risk populations such as African-Americans, seniors and those in the Appalachian area are targeted. **Fifteen (15)** community-based diabetes coalitions and all **120** local health departments were given funds to help implement strategies at the local level. Additionally, the **Kentucky Diabetes Network (KDN)**, a broad-based network whose mission is to improve the treatment and outcomes for Kentuckians with diabetes to promote early diagnosis, and ultimately, to prevent the onset of the disease, has continued to thrive with now more than **160** organizations, associations and individuals working together to impact diabetes-related issues throughout Kentucky. As a result,

the network **generated resources** valued at more than **\$358, 535** for their population-focused efforts. Overall, DCPD efforts have resulted in numerous related policy, environmental, program and professional practice changes within various communities and health systems. For example, one local diabetes coalition established a community-walking trail. The National Diabetes Education Program (NDEP) has been implemented statewide resulting in over **22 million** exposures to the NDEP messages and materials via print media and materials, billboards, TV, radio and presentations. A state-wide partnership effort with Cooperative Extension was launched in May, 2001, with interventions being implemented through Extension Services in 90% of Kentucky counties. DCPD also worked with Lt. Governor Steve Henry, M.D., to establish a taskforce for Type 2 Diabetes in Youth. In addition, **eighty-four** professional education programs were provided to **2,332** health professionals. Group diabetes self-management education was provided to **4,074** individuals with diabetes and their families during the year. More general diabetes control or prevention awareness programs were provided to **16,906** persons. In addition, **126** persons attended specific nutrition or physical activity related programs. Although the main focus of the program is on population-based efforts, individual clinical services were provided to **8,734** persons with diabetes.

The Branch administers the Preventive Health and Health Services Block Grant, from the CDC, with most funds going to local health departments for community-based health education and health promotion activities. Every local health department in Kentucky receives Preventive Health and Health Services Block Grant funds to implement these activities. Each local health department completes a community needs assessment and submits a one-year plan based on that assessment. Most of the local health departments identified community-based health education of a general nature, cardiovascular disease prevention, cancer prevention, physical activity, nutrition and unintentional injuries as the targeted areas for interventions in their community-based plans. Preventive Health and Health Services Block Grant funds are used to specifically target those interventions addressing physical activity and nutrition, as well as provision of clinical preventive services.

The Home Health Program assists in the assurance that home services provided by the fifteen (15) Local Health Departments licensed to provide home care are administered by licensed and trained individuals with quality of care as a primary focus. The agencies operate under strict State and Federal regulations and participate in the Federal Medicare/Medicaid programs by meeting or exceeding guidelines set forth in Medicare's Conditions of Participation. The fifteen health department-based agencies provided **409,809** home visits to **9,053** unduplicated patients.

These agencies also administer the Home and Community-Based Waiver Program, providing assessment, case management, personal care, homemaker and respite services to those individuals who are most at-risk of nursing facility placement, if

community-based services were not available. The **fifteen (15)** health department-based agencies provided **496,096** units of service to **2,896** clients.

Nutrition Services Branch

The **Nutrition Services Branch** administers the Special Supplemental Nutrition Program for Women, Infants and Children (WIC) and the Adult and Child Health (ACH) Nutrition Program. WIC is a federally funded program that sets standards for nutrition services. WIC's primary focus is to provide nutritious foods, nutrition education and, when appropriate, breastfeeding information and referral for intensive care to low-income pregnant, breastfeeding and postpartum women, infants and children who are at nutritional risk. The program is also responsible for promoting breastfeeding, which has resulted in 31 percent of low-income women breastfeeding.

WIC provided approximately **\$67 million** in food instruments in Fiscal Year 2002. WIC serves a monthly average of:

29,534	infants
14,318	pregnant women
2,488	breastfeeding women
9,774	postpartum women
56,744	children under the age of five

The Food Delivery/Data Section distributes WIC food instruments and data reports for USDA reporting. The Section processed and distributed **more than four million** food instruments. The Section provides assistance to local WIC sites via telephone and electronic communication as well as by on-site training.

The Clinical Nutrition Section helps WIC participants improve their nutrition knowledge, food selections and eating choices through both the WIC Program and the ACH Nutrition Program. The Section provides sound nutrition information to health professionals and WIC participants as well as breastfeeding promotion activities and training for hospitals, physicians and nurses.

The ACH Nutrition Program provides medical nutrition therapy to eligible clients of all ages in **110 of 120 counties**. The Dietitians or Certified Nutritionists provided medical nutrition therapy services to approximately **23,000** patients in health departments. Besides providing diet therapy to patients, Nutritionists conduct in-service education for staff. Many Nutritionists provide community programs such as: Choose 1% or Less; 5 A Day; weight loss classes for all ages; cooking classes; nutrition and physical activity classes for schools; programs at senior citizen centers and menus for day care centers, schools and jails.

The Program Management Section promotes efficient operation of the WIC Program. The Section provides review and assistance to local WIC sites through on-site visits. Staff made **483** site visits in Fiscal Year 2002.

The Vendor Management Section approves applications, monitors vendors and provides technical assistance and training to grocers and drug stores. The Section also reviews cleared food instruments for determination of improper redemption of WIC food instruments and initiates appropriate action. On-site monitoring was conducted for half of the **1,227** participating vendors. Contracted vendors are referred to the Office of Inspector General for undercover investigations. Appropriate action is taken by the Program, based upon the results of the investigations.

Drug Enforcement and Professional Practices Branch

The Drug Enforcement and Professional Practices Branch administers and enforces the Kentucky Controlled Substances Act, the drug and device portions of the Kentucky Food, Drug and Cosmetic Act, the use of the title "Doctor" or "Dr.," and the Treatment of Cancer Law. In addition, the program provides technical and professional expertise to licensing boards, local health departments and law enforcement agencies that enforce controlled substances laws.

Drug Enforcement supplements the efforts of other agencies. The administration and enforcement of the Kentucky Controlled Substances Act directly affects **12,000 to 15,000** persons who are permitted by law to manufacture, prescribe, administer, dispense, possess or conduct research with controlled substances. The Drug Enforcement Program licenses manufacturers, distributors and re-packers of controlled substances. The staff works with the federal Drug Enforcement Administration, the Kentucky State Police, as well as local police departments and sheriffs to prevent legal controlled substances from being diverted to illegal channels. Persons who legally possess controlled substances are monitored and inspected for compliance regarding security, record keeping and labeling. Violators are penalized either by the licensing process or by the criminal justice system. The program also updates the list of controlled substances via administrative regulation.

Activities of the Branch include:

- 1,035** investigations for potential violations
- 205** licensing of manufacturers and wholesalers of controlled substances
- 1,990** consultations with individuals about the drug laws

Health Care Access Branch

FY 2002 saw the creation of the Health Care Access Branch consisting of the Primary Care and Oral Health programs that were formerly part of the Maternal and Child Health Branch. This new Branch was established to give focus and emphasis to activities conducted by the Division of Adult and Child Health that address issues of accessibility and availability of essential primary medical and oral health services at the community level.

The Primary Care Program has a cooperative agreement with the federal Department of Health and Human Services (DHHS) to provide current data on health professionals in Kentucky that is used by the Secretary of DHHS in designating Health Professional Shortage Areas (HPSAs) and Medically Underserved Areas (MUAs) in Kentucky. Branch staff obtains licensure data from the Kentucky Board of Medical Licensure and conducts surveys of local physicians to determine the number of primary care physicians actually practicing in Kentucky counties and the degree to which these physician practices serve the uninsured and underinsured populations.

Following the identification and designation of HPSAs and MUAs, staff of the Primary Care program participate in several programs aimed at increasing the number of health professionals available to serve these areas:

Conrad State 20 program. This program permits each state to recommend up to 20 applications from foreign-born physicians who have received advanced medical training in the U.S. to remain in the U.S. after their training to serve underserved areas. In FY 2002, the Health Care Access Branch received **28** applications and recommended **20** to the U.S. State Department for approval. As of this writing, **19 of the 20** will have started practicing during the summer of 2002.

Appalachian Regional Commission (ARC) J-1 Visa Waiver Program. Similar to the Conrad State 20 program, in FY 2002 staff of the Health Care Access Branch received, reviewed and recommended **16** applications to the ARC for foreign medical graduate primary care physicians and psychiatrists seeking to practice in underserved Appalachian communities.

National Health Service Corps (NHSC). The NHSC provides a resource for the recruitment and placement of health professionals in qualified HPSAs. During FY 2002, staff of the Health Care Access Branch received and reviewed **49** NHSC applications requesting 18 family physicians, four (4) pediatricians, seven (7) internal medicine specialists, two (2) obstetricians, 12 psychiatrists, 10 psychologists, three (3) dentists, two (2) dental hygienists, 14 family nurse practitioners, four (4) certified nurse midwives, six (6) psychiatric nurse practitioners, 12 clinical social workers, one (1) physicians assistant and 13 mental health therapists or counselors.

The Division of Adult and Child Health is a partner with Health Kentucky, a nationally recognized public/private program that seeks to provide health and medical services to Kentuckians with incomes below the federal poverty level who are not eligible for Medicaid and have no other health insurance coverage. Staff of the Health Care Access Branch answer the Kentucky Physicians Care (KPC) hotline to provide information about the program and make referral to volunteer physicians, pharmacists and other participating health care providers. During FY 2002, staff of the Health Care Access Branch received **14,108** client enrollment applications for **26,442** active clients and handled **10,379** calls to the KPC hotline. While no data is available to document the number of physician visits provided through the program, **26,879** prescriptions were dispensed to KPC enrollees with a retail value of **\$1,592,946**.

The Oral Health Program has attempted to make medical professionals, as well as non-professionals, aware of the linkages of oral health with general health (i.e., diabetes, heart disease, preterm low birthweight babies, early childhood caries and others) through disease prevention and health promotion activities. Our vision is that oral health is integral to general health; most oral diseases are highly preventable using evidence-based approaches.

Notable achievements of the Kentucky Department for Public Health Oral Health Program for FY'02 include:

- Fluoridated community water systems served approximately **90%** of the population of the Commonwealth or **3,235,053** citizens. One additional community water system was fluoridated in FY'02
- The Rural School Fluoridation Program served **3,767** students in FY'02 (as six schools began to be served by fluoridated community water systems)
- Fluoride supplements (tablets or drops) were provided to **960** children who do not have a fluoridated home water supply
- Approximately **1,000** Kentucky family water supply samples were tested for fluoride content by the State Laboratory and reported to the Oral Health Program for supplement dispersal
- Dental health education was provided to approximately **20,000** children in grades kindergarten to sixth grade through local health departments with Oral Health Program input
- Spit tobacco prevention and promotion presentations were provided to approximately **2,730** individuals at **19** events as part of the Spit Tobacco Prevention Program

- Oral health counseling, educational and health promotion materials and information were provided to approximately **3,525 adults** and **1,075 children** at **18 events** (health fairs, state fair and similar occurrences) in various locales throughout the Commonwealth
- In support of the dental public health activities in the state, our partners at the University of Kentucky College of Dentistry provided the following under contract:

Screenings of schoolchildren	5,400 children
Comprehensive treatment in mobile units	1,015 children
Sealants	5,000 children
Screenings as part of oral health survey	3,500 3 rd and 6 th grade children
Questionnaire data as part of survey	2,000 8 th grade students

The Children's Oral Health Survey data will form the basis for a surveillance system using sentinel schools and classrooms from across the Commonwealth. In addition, the final design and pilot testing of a protocol for the KY Elder Oral Health Survey was completed using leveraged resources from a variety of sources in the Commonwealth.

- As part of the Adult Oral Health Survey conducted by the University of Louisville School of Dentistry as support for the state's dental public health effort, **approximately 300** adults were screened and examined in validating an oral health questionnaire. The questionnaire will be part of the Kentucky Adult Oral Health Surveillance System when the survey is completed and data analyzed
- The Pikeville College School of Osteopathic Medicine, under contract with the Kentucky Department for Public Health, provided educational experiences in oral health to medical students, intern and resident physicians
- The Oral Health Program was successful in providing information, support and educational experiences related to several legislative proposals that, in the future, will facilitate the mission of the Program and the Department.

Division of Epidemiology and Health Planning

The **Division of Epidemiology and Health Planning** provides the following services:

- Assessment of the occurrence of and risk factors for preventable diseases and injuries in the Commonwealth
- Policy development related to the prevention of disease and injury
- Assurance of public health services, primarily through local health departments

Responsibilities of the Division include control of communicable disease, disease surveillance and investigation, injury prevention and research, vital statistics, and health data. The Division carries out these core public health functions through the activities of its six Branches.

The Division's State Public Health Veterinarian consults with health professionals, individuals, and the media regarding zoonotic diseases and other animal/human-related issues of public health significance. In fiscal year 2002, consultations on rabies alone numbered **772**.

The State Injury Prevention Program within the Division has two major objectives. One is to maintain a state-of-the-art, population-based, public health injury surveillance system. Surveillance includes:

- Injury case identification from vital statistics death certificates and hospital discharge records
- In-depth surveillance of domestic violence related injuries and firearm fatalities

The second objective is to operate a community-based injury prevention program that focuses on the major causes of unintentional injury among Kentuckians and the regions of the Commonwealth where injury problems are most prevalent. During the past year, this Program facilitated the installation of over 5,400 lithium battery-powered smoke alarms in homes in rural counties and sponsored the distribution of more than 450 child safety seats to low-income Kentuckians.

Communicable Disease Branch

The **Communicable Disease Branch** seeks to eliminate, reduce, and control certain communicable diseases. Local health departments provide direct care while Branch staff provides training, educational materials, technical and financial assistance, and program planning and evaluation. The Branch is also responsible for the Rapid Response Team that provides support to local health departments in controlling disease outbreaks. The three major programs in the Branch are described as follows.

The Immunization Program provides health departments with vaccines against diphtheria, tetanus, pertussis (whooping cough), poliomyelitis, measles, rubella, mumps, hepatitis B, varicella (chicken pox), *Haemophilis influenzae* type b, and hepatitis A, influenza and pneumonia for certain high risk children. The Program oversees vaccine procurement, conducts disease surveillance and control, assesses the target population, and informs providers about vaccine-preventable diseases and vaccinations.

This past year, the Program distributed vaccine to public and private providers, resulting in the administration of **855,880** doses of vaccine to Kentuckians. Local health departments administered **503,360** doses of vaccine, primarily to children from birth to five years of age and to beginning sixth graders. Physicians, community health centers, and other agencies administered more than **352,520** additional doses, mainly for children receiving Medicaid or without health insurance. Data recently released by the Centers for Disease Control and Prevention (CDC) show that **80.2 percent** of Kentucky's two-year-olds have received the required immunizations. This achievement places the Commonwealth **1.6** percentage points above the national average.

The Tuberculosis (TB) Control Program works to reduce the number of cases and deaths due to TB. In Kentucky **152** cases of TB were reported during FY 2001. The reported incidence of tuberculosis in Kentucky remained low at **3.8 cases per 100,000** population. This continues to be well below the national case rate that was 5.6 per 100,000. The TB Control Program provides resources in support of tuberculosis efforts of local health departments, as well as consultation to health department and other health care providers. Local health departments were the primary source of care for 70 percent of tuberculosis patients.

The Sexually Transmitted Disease (STD) Program seeks to reduce the occurrence and prevent the transmission and debilitating complications of STDs. Priority is given to persons diagnosed or exposed to early syphilis or to Human Immunodeficiency Virus (HIV). The Program also places a high priority on the prevention of congenital syphilis infection in neonates. In conjunction with local health departments and selected other sites, the STD program conducts a statewide screening program for gonorrhea and chlamydia infection.

Among **85,613** patients screened, **1,803** gonorrhea and **3,932** chlamydia infections were found. Total cases reported in CY 2001 were: **3,588** gonorrhea, **8,881** chlamydia, **191** syphilis, and **201** other STD infections. Program staff conducted **86** interviews with patients diagnosed with early syphilis. These interviews resulted in **16** patients being diagnosed with and treated for syphilis and **42** others being provided with preventive, epidemiology-based treatment.

Health Policy Development Branch

The Health Policy Development Branch provides public and private sectors with timely and accurate information on the cost, quality, and outcomes of health services; conducts research and analysis on health policy; and supports development of information in support of policy development. The Health Policy Development Branch was responsible for the following activities:

Implementation of Senate Bill 343 in 1996, which requires the collection of health cost data from providers, hospitals, and health facilities and a permanent advisory committee to define quality outcomes measurements and advise the Cabinet for Health Services on data interpretation. The Branch has processed more than **1,500,000** records on health care utilization, both inpatient and outpatient, during this year. Fees for data products were \$4,500.

Surveys, data collection, and published reports relating to home health, long-term care, hospice, ambulatory surgery, and acute care, rehabilitation, and psychiatric hospitals. These Annual Facility Utilization Reports were published in the summer and fall of 2002 with more than **875** copies distributed.

The Branch was responsible for editing and publishing *Healthy Kentuckians 2010*, a document that provides an updated agenda for Kentucky's health. Nearly **1,500** copies of this document have been distributed. Kentucky is one of only five states to develop a state document as a companion to the national *Healthy People 2010*.

The Branch also provided support for the Division's bioterrorism preparedness activities by staffing the Health Resources and Services Administration (HRSA) and CDC Statewide Bioterrorism Advisory Committee. Three Advisory Committee meetings were held in 2002.

HIV/AIDS Branch

The **HIV/AIDS Branch** protects, promotes, and monitors the health of the public by prevention of HIV transmission and its associated morbidity and mortality. Staff in the four Sections of the HIV/AIDS Branch carry out this mission.

HIV Counseling and Testing offers anonymous and confidential HIV antibody testing, free of charge, in all 120 Kentucky counties through local health departments. Some counties also provide these services to inmates of local jails or prisons. Currently, there are **177** state-sponsored HIV counseling and testing sites in Kentucky. In fiscal year 2001, of **15,867** persons served at these sites, **97** were found to be HIV infected.

HIV/AIDS Surveillance is charged with recording and reporting HIV and AIDS cases diagnosed in Kentucky. The staff compiles and distributes statistical reports to more

than **850** recipients. The surveillance component completed **476** HIV case reports (an increase of 248 from the previous year) and **261** AIDS case reports (an increase of 63 from the same period last year).

HIV/AIDS Prevention consists of three programs: Professional Education, HIV Prevention Community Planning, and Targeted HIV Prevention. The Professional Education Program reviews HIV continuing education courses and school curricula for the education criteria mandated in Kentucky. Staff reviewed **229** courses for continuing education about HIV and sent lists of approved HIV/AIDS courses to **1,568** individuals. With the advent of the Department for Public Health website, the Professional Education Program posted the lists of the approved HIV/AIDS courses to that website in July 2000. This action has reduced the number of requests for lists to be mailed, therefore reducing the amount of postage spent. During the past fiscal year, website referrals were given to **537** individuals and the lists received **2,606** "hits." (Statistical information regarding the number of "hits" that received was no longer available after January, 2002. Therefore, data for February-June, 2002 is not available.)

HIV Prevention Community Planning has a statewide Community Planning Group (CPG). The CPG conducts needs assessments of existing HIV prevention efforts and resources and recommends intervention strategies to reduce the risk of HIV transmission for at-risk populations.

The HIV Prevention Program reached **41,401** persons in fiscal 2001 through the above activities. Five health departments in higher prevalence areas of the state work with the CPG to target high-risk individuals. This program reached **10,880** persons.

HIV/AIDS Services offers five programs:

The Kentucky HIV Care Coordinator Program employs case managers, based in six regions of the state, to link HIV-positive clients with health and human services for which they are eligible. This program served **1,602** HIV-infected clients during fiscal 2001.

The Kentucky AIDS Drug Assistance Program (KADAP) assists low-income HIV-positive individuals with purchasing up to **47** HIV-related medications. There were **708** low-income individuals who received assistance in Grant Year 2001, an increase of **173** from the past year.

The Kentucky HIV Health Insurance Assistance Program helped **182** persons at risk of losing existing insurance coverage with their premium payments. The Outpatient Health Care and Support Services Program assisted **1,602** clients with physical and mental services, substance abuse treatment, benefits advocacy, and nutrition. Finally, the state-funded HIV Care Consortia Program filled in gaps in support

services not covered by federal funding. Additionally, **870** HIV-infected persons received support services such as housing, utilities, and nutrition assistance.

Surveillance and Health Data Branch

The **Surveillance and Health Data Branch**, designated as the state's Center for Health Statistics, maintains a public health database which collects and distributes information that supports health assessment and planning. The Branch compiles data at the county level on health status indicators, demographic trends, and related socioeconomic factors. The Branch publishes two major reports each year, the *Kentucky Annual Vital Statistics Report* and *Kentucky County Health Profiles*. Staff also provided responses to **490** requests for vital statistics data.

The Branch also maintains an automated register of all legally mandated disease reports from health care providers, facilities, laboratories, and local health departments. The data are used to provide a sound epidemiological database for Departmental decision-making in disease prevention and control and health promotion. The Branch publishes disease data, along with other timely health care information in monthly issues of *Epidemiologic Notes and Reports* and distributes them to more than **8,700** health care providers in Kentucky. The Branch conducts epidemiological studies and provides technical consultations to private physicians, local health departments, and many other individuals and organizations. In fiscal year 2001, the Branch reviewed and confirmed **15,123** reportable diseases, received **7,441** reports of diseases not mandated as reportable, assisted in the investigation of eight outbreaks of diseases, and provided **3,112** consultations relating to diseases.

The Branch conducts the Behavioral Risk Factor Surveillance Survey, which is an ongoing statewide telephone survey of adults to learn about lifestyles and health risk factors. More than **7,500** telephone interviews of adult Kentuckians 18 years of age or older were conducted last fiscal year. The results of the survey were analyzed and reported to CDC for national comparisons.

Vital Statistics Branch

The **Vital Statistics Branch** collects, preserves, and protects certificates for births, deaths, marriages, divorces, and induced terminations of pregnancies, which occur in Kentucky and issues certified copies as requested. The Branch records and provides for people born in Kentucky a means of establishing their legal identity, age, parentage, and nationality. It also makes available a legal document attesting to the date, place, and cause of every death occurring in the Commonwealth.

For fiscal year 2000, the following vital statistics were registered:

- **54,761** births and **391** stillbirths

- **39,528** deaths
- **39,618** marriages and
- **21,412** divorces and annulments

There were **18,757** amended birth records and **1,147** amended death records. **201,914** certified copies of birth certificates issued for fiscal year 2001. The Branch issued **214,746** certified copies of deaths, **2,958** certified copies of marriages, and **1,045** certified copies of divorces. For the fiscal year 2001, **\$3,576,658** in fees were collected.

Division of Laboratory Services

The **Division of Laboratory Services** makes reliable laboratory facilities available for the protection of health in the Commonwealth. The Division achieves this through the following:

- Providing examinations of clinical and environmental specimens to support other state and local health department programs and reference testing for hospitals and practicing physicians.
- Increasing the effectiveness of laboratory science in improving health status by providing consultation with state and district health programs, physicians, hospitals, medical examiners, coroners, and industrial hygienists.
- Protecting the health, safety, and welfare of people from the hazards of improper performance by health laboratories.

Activities conducted in support of the Local Public Health Laboratories include the following:

- Coordinated compliance with the Clinical Laboratory Improvement Amendments (CLIA) of 1988 for more than **304** local health department sites through two multiple-site certificates. Division of Laboratory Services staff serves as laboratory director and technical consultants so that local health departments will meet CLIA requirements.
- On-site consultations, and training to verify local health department CLIA compliance
- **154** on-site consultations to local health departments participating on the multiple site certificate for CLIA
- More than **400** phone consultations concerning laboratory testing performed in the local health departments.

Activities conducted in support of the Division include:

- The Bioterrorism Preparedness Committee is addressing laboratory capacity and training needs.
- State Laboratory Inspections were passed with no deficiencies.
- More than **50** phone consultations concerning laboratory safety.
- **20** training activities and **28** audio-conferences.

Chemistry Branch

The Biochemistry Section performs basic clinical chemistry tests, therapeutic drug monitoring, thyroid testing on adults and all the newborn screening testing for the state, as well as well child sickle cell testing. The Section represents the largest volume lab in the Division. The Section performed a total of **476,875** tests in fiscal 2002:

- **108,625** tests on **33,903** adults in the clinical area and
- **368,250** tests on **73,650** specimens in the newborn screening area

Of these screening tests the section referred **19** infants for PKU; referred **99** infants for galactosemia including **9** positives; **77** infants for hemoglobin abnormalities; and referred **494** infants for further evaluation for thyroid gland function. The Section continues to research new methodologies for the NBS area of testing.

The Instrumentation Section provides chemical and physical analyses to the Labor Cabinet's OSHA program, the Environmental Management, Food Safety and Milk Safety Branches of the DPH, the Dental Health Program, and the local health departments. In FY 2002, the Section processed **5,307** samples for these state agencies and maintained enrollment in **4** proficiency testing programs covering **7** types of chemical and physical analytes. In addition, the Section received certification for fluoride in water from the Kentucky Natural Resources and Environmental Protection Cabinet.

Microbiology Branch

The Bacteriology and Parasitology Section is composed of three testing programs. The Sanitary Bacteriology Laboratory tested **1,997** drinking water and recreational water samples, **1,562** milk and dairy samples, and **89** food samples. Botulism toxin testing was performed on **6** samples of which **3** positive cases were found. The Milk Laboratory Evaluation Officer provided on-site inspections, training, consultation, and split-sample proficiency testing for the dairies and their analysts. Each dairy is inspected every two years for certification, all new analysts are certified, and analysts are certified when new methods are instituted. Pulsed Field Gel Electrophoresis (PFGE) testing was granted CDC certification for *Escherichia coli* O157:H7 and is currently awaiting certification notification for Salmonella. The Bacteriology and Parasitology Laboratory performed **641** tests for intestinal parasites, **669** for enteric pathogens, and **136** for unusual miscellaneous bacteria identification. Over **279** Salmonella serotypes were identified along with **251** *Shigella sonnei*, and **50** *Escherichia coli* O157:H7 enteric pathogens. Nucleic acid probe testing is performed to determine if patients from STD, Family Planning, and Prenatal Clinics are infected with *Chlamydia trachomatis* and/or *Neisseria gonorrhoeae*. The performance of **67,506** tests resulted in **2,922** positives for Chlamydia and **892** positives for gonorrhoeae. On-site visits were made to **3** County Health Departments as a quality assurance measure for the Infertility Project. Workshops were conducted for **2** STD updates and **2** Clinician Training Seminars for the Region IV Infertility Project Chlamydia Handbook. The Mycobacteriology Laboratory uses a liquid rapid method for culturing **6,584** specimens for Mycobacteria. Testing of **1,682** isolates are identified by use of DNA probes and/or High Performance Liquid Chromatography (HPLC). Over **1,000** environmental specimens were processed for anthrax. This laboratory section continues to train and upgrade laboratory methods for designated bioterrorism organisms with a lab renovation plan for two BSL 3 laboratories

in the final planning stages. Assistance was given in the presentation of **6** wet workshops for Level A Lab Bioterrorism Preparedness.

The Serology Section performed **24,488** HIV-1, **4091** hepatitis B, **92** hepatitis A, **23,324** syphilis, **6,588** rubella, and **4803** immuno-hematology testing in support of the Divisions of Epidemiology and Adult and Child Health. The Section also performs **409** HIV-1 testing in conjunction with the Justice Cabinet for persons convicted of sexual offenses and prostitution.

The Virology and Fluorescent Antibody (V/FA) Section tests clinical specimens for the presence of viruses, identifies viral isolates referred from other labs in the state, and performs serological tests to determine antibody status to various agents. Rabies testing is provided by the V/FA section seven days a week. **24** animals were found to be positive for Rabies this fiscal year and treatment was provided to people bitten or exposed to these animals. This Section is in its **45th** year of association with the World Health Organization. It also provides information to help them track the seasonal outbreaks of influenza and to determine the composition of vaccine for the next year. During the 2001-2002 Respiratory Season, **317** specimens from **37** counties were tested. Of the 168 isolates recovered, **158** were identified as Influenza A., **3** Influenza B, **1** Respiratory Syncytial Virus, and **4** Adenovirus. In addition, **267** cases of Herpesvirus infection were isolated and identified during the fiscal year. **6696** TB fluorochrome smears slides were read with **696** of these being positive. Section staff members also attended **3** webcasts and **18** on-site teleconferences on various laboratory topics.

Technical and Administrative Services Branch

The **Technical and Administrative Services Branch's** two Sections provide essential services to the laboratory and to local health departments. In addition, the Branch Manager prepares and monitors the Division's budget, performs cost accounting, and serves as legislative liaison and the quality assurance coordinator for the Division. The Quality Assurance program has been designated "the best in the state" by CLIA surveyors. Branch staff provided newborn screening including follow-up on over **5,000** abnormal screening results and follow-up with more than **15,000** letters to parents and physicians.

The Administrative Services Section is primarily responsible for data management and reporting of medical laboratory results, data entry of patient demographics, procurement and distribution of equipment and supplies, inventory control, and equipment maintenance and repair. In fulfilling these responsibilities, staff performed data entry on approximately **280,000** specimens. Telephone inquiries are now recovered by the appropriate lab section in order to relieve data entry staff. Over 10,000 telephone inquiries were fielded by laboratory staff.

The Technical Services Section provides laboratory support services including receipt and distribution of approximately **260,000** medical laboratory specimens. Staff prepared and dispensed approximately **60,000** units of media and reagents used for laboratory tests, including media for BT, and assembled and shipped approximately **300,000** kits for collecting and mailing laboratory specimens.

Division of Local Health Department Operations

The **Division of Local Health Department Operations** provides support to local health departments in personnel management, training and staff development, medical records and forms management, reporting of clinical and community-based services, operating the online local health network, policy interpretation and public health nursing. The Division is the primary liaison between the DPH and local health departments. In addition, the Division is responsible for coordinating the training and education activities for the Bioterrorism preparedness grant.

Local Personnel Branch

The **Local Personnel Branch** operates and maintains a separate personnel program for **52** local health departments and their **3,300** employees. The Branch provides support for a five-member Local Health Department Employment Personnel Council and submits for ratification changes in the compensation and classification plan. The Branch helps health departments recruit qualified employees by reviewing applications, administering and grading examinations, processing personnel appointments, salary adjustments, reclassifications and promotions; and maintaining master personnel records and a register of applicants. The Branch conducts regional training programs for local health department directors, supervisors and personnel specialists. Subjects include progressive discipline, employee performance evaluations, personnel regulations, sexual harassment and recruitment of qualified employees. The Branch also undertook preliminary steps to begin a comprehensive review of the compensation plan for local health department employees.

Training and Staff Development Branch

The **Training and Staff Development Branch** serves as the "knowledge broker" for the Department and the local health departments by identifying resources and matching them with training. The mandate for statewide training is provided annually in the form of Regional Public Health Practice Conferences. In FY 2001, four (4) two-day conferences were held with approximately **1,000** state and local staff. Continuing education units were provided for five disciplines: nursing, medicine, nutrition, health education and environmentalists. Content planning for the Public Health Practice Conferences for FY'03 began in January, 2002, and includes major topics for increased knowledge in Bioterrorism preparedness and response to health threats. Topics for the regional offerings include risk communication, environmental protection, leadership in crisis and Bioterrorism core competencies for the public health workforce. The Education and Training Section (Focus Area G) of the Bioterrorism Grant is a primary function of the Branch.

The Branch processed more than **2,000** requests for training. Agencies used in the training include the Governmental Services Center, the Governor's Office of Technology, Emory University Regional Training Center, Centers for Disease Control and Prevention, University of Kentucky, University of Louisville, Eastern Kentucky University, Western Kentucky University and private consultants. The Branch administers continuing education courses for nurses through a providership approved by the Kentucky Board of Nursing. The providership provided continuing education units through 151 courses, with 1,385.5 contact hours to more than **4,000** participants in local health departments and 464 staff working in the state health department during Fiscal Year 2001.

The Branch produces a monthly training calendar of learning opportunities that lists courses, training events, video and audio. The training calendar and a recent addition of Bioterrorism Response and Preparedness course listings have been added to the Department's home page on the Internet. The Branch's distance learning coordinator administers the Department's courses, meetings and other interactive/compressed video offerings.

The Kentucky Legislature funded a \$2,000,000 Transition Training Initiative for the 2000-2002 Biennium, to provide the appropriate training of the public health workforce to transition from clinical serves to population-focused community- based services. The Branch has developed a statewide multidisciplinary team of training coordinators to implement a competency-based curriculum using the core public health functions and essential services. This initiative includes partnerships with four (4) universities for needs assessments and curriculum development and implementation. An outcome evaluation, conducting by the University of Louisville in June, 2001, revealed a significant increase in knowledge of the public health core functions and essential services in the public health nursing workforce. The steering committee includes the Education and Staff Development Subcommittee of the Public Health Practice Committee and representatives from the four (4) institutions of higher education. The Kentucky Public Health Leadership Institute, conducted with the Kentucky School of Public Health, at the University of Kentucky, continues in its third year. Thirty scholars will complete study in April and a new class of **40-50** scholars will begin the one-year course. Currently, there are approximately 100 leadership scholars in the Kentucky Public Health Workforce.

Public Health Support Branch

The **Public Health Support Branch** has strengthened its ability to help local health departments with proper reporting and record keeping. The Branch's motto "Do it right the first time" has led to improved data collection, fewer billing errors, maximized collections and improved overall efficiency in health records. Finally, the Division has worked with local health departments, the Department for Medicaid Services and the private sector to identify alternative sources of revenue for local health departments.

The Branch strengthened and enhanced the operation of local health departments through administrative support systems, such as an automated patient and services reporting system that tracked **6,338,359** services to **719,195** unduplicated clinic patients in FY 2002 and the supplemental services reporting system that tracked and billed **142,839** services to **70,557** unduplicated patients. Additionally, the Branch helps in maintaining a statewide on-line computer network with at least one site in each of Kentucky's 120 counties. The Branch operated the local health network's HELP DESK that provided assistance to local health departments on the network, and in troubleshooting computer problems.

The Branch provided technical assistance and consultation to local health departments on medical record standards for the **465** service delivery sites. On-site consultation and record review assure adherence to these standards. Other responsibilities include the following:

- Development and refinement of integrated patient records and generic forms
- Technical assistance to health departments on appointment scheduling, patient intake, registration, patient flow and coding of clinical services
- Responded to special data requests from health departments and DPH's staff, and development of Departmental publications available to local health departments and the public
- Developed procedures for security access for all system users of the local health network
- Worked with DPH programs and the Public Health Nursing Branch to assist with the delivery of health services and patient care, and development and implementation of quality assurance standards and reviews and assisting Resource Management in the coding phase of the current on-going financial site evaluations
- Maintained the Records Retention and Disposal Schedule and provided technical assistance in all areas of records retention and disposal for DPH and local health departments
- Worked with other DPH programs in developing, implementing and training health departments on coding standards for new programs which have included HANDS, Healthy Start in Child Care, Presumptive Medicaid Eligibility, pharmacy dispensing, fluoride supplement testing and issuance in FY 2001
- Processed forms and pamphlet orders for local health department sites.
- Prepared the coding portion of the Annual Clinic Prog. Plan for the fiscal year.

Public Health Nursing Branch

The **Public Health Nursing Branch** promotes public health by facilitating public health nursing through local health departments. Enabling local public health nurses and other multi-disciplinary health team members to be an integral part of mandated Core Public Health Activities is the major role of the Public Health Nursing Branch.

Public health nurses provide leadership and support to empower local health department nurses to provide population-focused, community-based services and to achieve public health objectives on an individual community or county basis. Each Public Health Nurse Consultant is a regional nurse consultant to independent and district health departments, serves as liaison to designated Departmental Division(s), and is responsible for specific areas of collaboration and expertise.

In the last year, the Public Health Nursing Branch has promoted public health at the local level in several ways:

- Providing **94** "Public Health Nursing Practice" on-site reviews of local health departments to assure the safety of the public and quality of health care to Kentucky's citizens, including compliance with Public Health Practice Reference guidelines;
- Providing phone and/or e-mail contact with all **55** health department agencies, with each Public Health Nurse maintaining contact with her **30** specifically designated counties, to help them move from providing care "in the clinic" to being responsible for the health of the "whole community";
- Providing technical assistance for more efficient clinic flow, medical records documentation, coding standards and reimbursement, as well as patient management processes to **74** local health department sites;
- Distributing the Public Health Practice Reference to all **120** county health departments, district health departments and multiple service sites for **146** locations; with hard-copies and CD's forwarded initially; CD's forwarded with quarterly revisions; and e-mail notification of Public Health Practice Reference changes.
- Completing statewide documentation training, at **five (5)** sites for **22** counties;
- Participating in **two (2)** public health practice conferences;
- Participating in training and curriculum development through membership on the Training and Staff Development Branch Education Advisory Committee
- Promoting public health nursing by making **six (6)** presentations to community health nursing students at Eastern Kentucky University, University of Kentucky and University of Louisville, in Spring and Fall sessions;
- Participating in Kentucky Public Health Leadership Institute (KHPLI) by **three (3)** nurses;

- Developing the HIPAA Checklist for all **55** LHD agencies through KPHLI, HIPAA Flow Assessment developed for LHD employee training and education made available recognized as worthy of submission to American Public Health Association for consideration of a national award;
- Collaborating with Passport Managed Care Region's **16** counties in participation/presentation for Annual Prevention Workshop; and
- Coordinating with Department of Medicaid Services for Early Periodic Screening, Diagnosis and Treatment (EPSDT) Outreach and Kentucky Children's Health Insurance Program (KCHIP) Outreach; providing **seven (7)** training sessions available to all **146** local health department service sites to promote EPSDT and KCHIP Outreach and Screenings statewide.

Division of Public Health Protection and Safety

The **Division of Public Health Protection and Safety** includes programs related to the enforcement of public health regulations for environmental health and community safety. The Division works closely with local health departments to make sure that Kentuckians are protected from unsafe consumer products, lead hazards, unnecessary radiation exposure, unsanitary milk, adulterated and misbranded food, unsanitary public facilities, and malfunctioning sewage systems. State staff are responsible for radiation health and safety issues involving both the natural environment and organizations using radioactive materials, inspection of x-ray equipment, Grade "A" milk production, public health aspects of chemical weapons storage at the Blue Grass Army Depot, and certification of public swimming pool designs.

Environmental Lead Program

The Environmental Lead Program certifies and monitors individuals who conduct lead-hazard detection or abatement in target housing or child occupied facilities, accredits and monitors the activities of accredited training programs, reviews abatement plans, issues permits, conducts quality assurance inspections, follows up on complaints, conducts environmental educational efforts, and conducts other surveillance activities required to carry out the State compliance program. Approximate numbers of related activities conducted during this period was: Sixty- eight **(68)** new individuals and companies were certified. Twenty-nine **(29)** individuals renewed their certification. Twenty **(20)** abatement projects permits were issued; forty **(40)** compliance and enforcement investigations, inspections and compliant follow-ups were conducted. Thirty **(30)** inspection and assessment reports were reviewed for appropriate information required by regulations. One **(1)** new training providers were accredited by the agency, and two **(2)** providers renewed their accreditation. Twenty **(20)** courses were monitored. Response to approximately **(960)** telephone inquiries related to certification, abatement, and obtaining disclosure pamphlets.

Environmental Management Branch

The **Environmental Management Branch** seeks to prevent disease and eliminate existing unsanitary conditions and safety hazards in public facilities as well as in an individual's personal environment. The Branch performs the following functions:

- Establishes sanitary standards of operation
- Issues permits to construct on-site sewage disposal systems and septage treatment sites
- Trains and certifies on-site sewage disposal system inspectors
- Certifies training and service providers regarding lead abatement and on-site system installers
- Conducts review and approval of construction plans for public swimming and bathing facilities
- Conducts consumer product safety programs
- Conducts and coordinates radon mitigation training and public education programs

In fiscal 2000, the Branch issued **18,064** permits and conducted **21,355** site evaluations and enforcements.

Food Safety Branch

The **Food Safety Branch** prohibits the sale of adulterated, misbranded, or falsely advertised foods and food products and eliminates unsanitary conditions in tattoo studios and boarding homes. The Branch provides planning, monitoring, training, and evaluation for health department food, tattoo studio, and boarding home surveillance programs. Investigation samples are collected from food service establishments, retail food stores, vending machine companies, food manufacturing and storage plants, and from the state's raw agricultural producers for pesticide residues. Branch staff inspects Food Processing and food storage facilities. The Branch maintains standards of identity for various standardized foods and sets acceptable compliance levels for all food establishments in the state.

The Branch:

Issued **20,114** retail food, tattoo, and boarding home permits
Issued **952** permits to Food Processors and Food Storage Warehouses
Provided **60,588** surveillance activities
Destroyed **1,587,729** pounds of adulterated food
Collected **6,002** samples
Collected **89** Raw Agricultural Samples for pesticide analysis
Reviewed **251** Food/Drug or cosmetic product labels for compliance
Trained **15** new health department environmentalists
Standardized **twenty** local health department retail food specialists
Held **63** Enforcement Hearings or Conferences for establishments in non-compliance
Investigated **29** consumer complaints forwarded from the FDA
Announced and monitored **53** food recalls
Nine staff received specialized food safety training from FDA.
Developed and successfully produced a "Retail Food Seminar"; Food Safety Accreditation Student Training (FSAST) Video for high school students; In partnership with Partners for Family Farms, the Heifer Project International & Kentucky State University, provided inspections and regulatory oversight for Mobile Poultry and Shrimp Processing unit.

The Branch routinely receives consumer complaints or inquiries relating to foods, drugs, and cosmetics that have been consumed or purchased. Consumer complaints range from concern over retail food stores, food service establishments, salvage food establishments, schools, nursing homes, hospitals, boarding homes and tattoo studios. Typically, the Food Safety Branch receives approximately **ten** complaints or inquiries per month.

The Food Safety Branch routinely receives food-drug-cosmetic recall information. If the recalled product was manufactured or distributed in Kentucky, a recall alert is sent to all local health departments.

The Branch organized and developed a Statewide "Food Safety Task Force," to review and coordinate the Commonwealth's Food Safety issues.

Initialed a rapid notification system to immediately notify LHD's of Food Safety concerns

using specialized email distribution systems.

Milk Safety Branch

The Milk Safety Branch prevents adulteration, misbranding, and false advertising of milk and milk products and protects the public from disease transmission through milk products. The branch oversees inspections of dairy farms, dairy plants, and dairy processors. It is also concerned with the development of product standards of identity and legal labeling of all dairy products mandated by the Food and Drug Administration.

The Milk Safety Program conducted **7,377** inspections of **2,362** dairies, processing plants, receiving/transfer stations, samplers, haulers, trucks, and distributors. There were **22,755** samples collected, **1,489** notices of intent to suspend, and **370** permits suspended. A total of **25** hearings (**24** informal conferences, **1** formal) were conducted, **97** plans reviewed, **31** surveys/check ratings, and **8** USDA survey inspections.

Radiation Health and Toxic Agents Branch

The Radiation Health and Toxic Agents Branch ensures the beneficial use of radiation, protects the public from unnecessary exposure to radiation, and protects citizens in the nine county areas surrounding the Bluegrass Army Depot from the impacts of chemical warfare agents.

The Radiation Health Program is responsible for licensure, registration, certification of all uses of radiation, and surveillance of radiation facilities to evaluate impacts of radiation on worker and public health. The program conducts inspections and environmental surveillance, manages compliance activities, and is responsible for statewide emergency response to radiological emergencies/incidents. Transportation of radioactive material through the Commonwealth is another significant action undertaken by the Radiation Health and Toxic Agents Branch. The transportation activities of the Radiation Health and Toxic Agents Branch includes: (1) addressing shipments of "Safeguard" material under 10 CFR Part 73; (2) serving as a member of the Southern States Energy Board's two (2) transportation committees; (3) developing and conducting radiation training for first responders; and (4) assessing and evaluating all shipments of radioactive material and waste through the Commonwealth. The Radiation Health Program undertakes activities related to microwave ovens and video display terminals, and collects information on non-ionizing radiation, such as laser and high-tension electrical lines. The U.S. Department of Energy provides on-going funding to assist in the evaluation of the impact of ionizing radiation on public health as related to the Paducah Gaseous Diffusion Plant, which is a uranium enrichment facility in western Kentucky.

The Radioactive Materials Section inspects and licenses **409** licenses issued to users of radioactive materials in the fields of medicine, industry, research, and academia. In addition, the Section has issued **12** *in vitro/in vivo* general licenses and **207** other general licenses. The Section also assists when radioactive materials and wastes are being transported and also assists in responding to radiological incidents and emergencies.

The Radiation Producing Machine Section inspects and registers **3,746** facilities with **8,429** x-ray tubes that use radiation-producing machines. The Section also issues certificates and inspects **5,779** operators of sources of radiation to ensure compliance. The Section conducted the review of **190** shielding plans for radiation producing machine facilities. The Section annually inspects schools of radiologic technology, provides home study course material to **164** qualified individuals in 2000, and coordinates continuing education credit hours as a prerequisite to re-certification. The Section inspects **167** mammography facilities to assure they meet the requirements of the Mammography Quality Standards Act of 1992.

The Radiation/Environmental Monitoring Section was placed under the direct supervision of the Radiation Health Program in 2000. The Section collects and analyzes samples from areas on-site and surrounding the Maxey Flats Disposal Site and the Paducah Gaseous Diffusion Plant. In FY01, the Section collected **1,373** samples from the Maxey Flats Disposal Site and conducted **5,183** analyses on these samples. The Section collected **2,930** samples at the Paducah Gaseous Diffusion Plant and conducted **7,500** analyses on those samples. The Section also conducted **17,438** quality control analyses. The Section also assisted in the analysis of Department of Energy data in an effort to determine the impact of past releases from the Paducah Gaseous Diffusion Plant on public health.

The Toxic Agents Program is responsible for ensuring health and medical preparedness of the nine counties surrounding the Bluegrass Army Depot in Richmond. The Program ensures that each of the nine counties has emergency plans for medical preparedness. The Program provides training of medical and emergency medical services personnel in the counties surrounding the Depot, ensuring that the counties have antidotal drugs, supplies, and equipment necessary to address a chemical warfare agent release.

Division of Resource Management

The **Division of Resource Management** provides all resource support to the Department of Public Health. This includes the **400** Cabinet-level personnel and nearly **4,000** personnel represented by local health departments. The Division provides all budgets and accounting support, payments, grant allocation and payments, permits and fee collection, procurement and contracting support. The Division develops and oversees the DPH budget and local health department's fiscal planning and their administrative and management practices. It provides fiscal support to all **120** counties of the Commonwealth. The Division works in concert with the other Department's Divisions to plan, program, execute, manage and report the financial activities of the Department. The Division also has responsibility for all information technology systems and support for the Department. This includes hardware, software, acquisition, networks, infrastructure and IT projects. The Division has orchestrated a statewide Public Health initiative to ensure compliance with the federal Health Insurance Portability and Accountability Act. As lead agency, the Division is responsible for planning and implementation of policy, procedural and technical changes to Department for Public Health and local health department operations as they relate to the privacy and confidentiality of patient identifiable information.

Financial Management Branch

The **Financial Management Branch** is comprised of two (2) Sections, the State Budget Section and the Local Management Section. It provides financial oversight of the annual Department budget of approximately \$200 million. The Budget Section is responsible for preparing the Biennial Budget for the Department; preparing all budget modifications and realignments for the Department and to the Governor's Office of Policy and Management; reviewing and analyzing revenue and expenditure data as it relates to the Departmental budget; preparing federal grant reports and reviewing; and providing funding strips for each contract in the Department. Budget staff also provide revenue account codes for refund checks received from vendors; approve inter-account documents; schedule and review encumbrance reports monthly; and prepare journal vouchers as needed. This Section also approves and processes all electronic payments and purchase requests through the state Management Administrative and Reporting System (MARS) and staff serve as MARS liaisons for the Department assisting in user setup; information updates; troubleshooting and training.

The **Local Fiscal Management Section** provides technical and consultative assistance to **55** local health departments regarding financial statements, internal controls, minimum local support, visits, training provided and implementation of regulations 902 KAR 8:170 and 902 KAR 8:165 to improve operational and accountability and advise on any health department issues. This Section reviews and approves the financial portion of the health departments' plans and budgets; reconciles bank statements for health departments under financial review; and coordinates audit reviews conducted by the Office of Inspector General. Staff engages in the following activities:

- Ensuring that the CH-61 Fiscal Court Tax Rate and CH-62 Ballot Tax Rates are set by each county;
- Preparing the local health department Pay Period Schedule and Full-Time Equivalents by month for each fiscal year;
- Maintaining an up-to-date listing of financial vendors for each health department; assigning costs centers to the health departments;
- Maintaining a listing of each local health department's special projects

This Section also prepares projections of revenue and expenditures for all local health departments on a quarterly basis or monthly if needed; prepares annual closeout reports; and provides on-site technical assistance to health departments. The Reimbursement Section prepares the annual Medicare and Medicaid Home Health Cost Reports and Home and Community-Based Waiver Cost Reports for local health departments. Staff analyze and prepare quarterly home health cost reports and waivers reports; prepares quarterly home health administrative charges; and maintains depreciation schedules for the HCB program. This Section processes weekly Medicaid Preventative and HANDS remittance advices; processes payment data and remittances to local health departments; and prepares the cost center spread for posting of checks to local health departments. Staff also process payments for EPSDT verbal notification reports; are responsible for the Medicare Resource Based Relative Values for the Patient Services and Reporting System; and provide training on billing and coding in these areas to health departments.

Information Technology Management Branch

The **Information Technology Management Branch** (IT) manages information technology for the Department. The Branch fulfills the business functions of the Department through managed information, processes and technology. The Branch maintains the Department's INTRANET, which is an internal network that provides the electronic communication of Executive Staff Meeting minutes, directories, maps, organizational charts, electronic forms, graphic/images, conference schedules, training calendar, newsletters, reports, manuals, Internet links, and policies and procedures. A network of multiple servers provided file and print management and communications for remote access and fax, and also handles specialized databases, among them vendor monitoring child fatality and birth surveillance. Standardized workstations on one operating system adhere to the Commonwealth's enterprise standards.

As part of the Kentucky's Simplified Access and the Governor's Early Childhood Development initiatives, the Department is developing an Early Childhood Development System within the Cabinet for Health Services. It will identify children in need of early childhood development services and assist with coordination of early childhood development services. The project, called FOCUS, Furthering Our Children's United Services, will establish an informational and statistical reporting system, which combines data from multiple sources into useable forms made available through the Kentucky Information Highway.

The Branch implemented a revolutionary change in local health department operations through the Simplified Access rollout of over 1,000 computers, with accompanying software. Local Health Departments rewired facilities and accomplished site preparation to move from a dumb terminal environment to a personal computer based, Internet environment on the Kentucky Information Highway. The Branch also created a Help Desk to manage the over 2,000 PCs now on the network, acquiring software to provide dedicated oversight of the statewide system.

A shining example of new ideas and services in information technology to help Kentuckians is the KASPER (Kentucky All Schedule Prescription Electronic Reporting) software system being implemented in phases to permit improved accountability and service to pharmacies and state agencies related to the dispensing of prescription drugs. Taking advantage of existing technology and new applications in software, the system will provide a major improvement in prescription management and control as a source of practitioner and pharmacy information and an investigative tool for law enforcement.

The Department is also implementing Phase One of a statewide Public Health Information System for public, private, local and state access to health care data. This effort is in accordance with the Kentucky Public Health Improvement Plan's goal to link electronically those involved in the public's health. The first module is a new Vital Statistics System.

The Vital Statistics project is a process to find a new software system to generate, record and print Birth Certificates, Death Certificates, Marriage Licenses and Divorce Decrees, as well as, keep the necessary statistics to be the foundation of the Integrated Public Health System.

The Vital Statistics System is only the beginning of a statewide system for the integration of all program modules into one Statewide Public Health Information System. The intention is for the Commonwealth to undertake subsequent system development projects for the other DPH programmatic areas such as: Newborn Screening; Birth Surveillance; Child fatality; Well Child; Immunizations; and WIC legacy systems and have them fully integrate with the vital statistics module, as well as subsequent modules. As a result, there will be an integrated health system with one client/electronic patient record for each person served by DPH.

Procurement Branch

The **Procurement Branch** is comprised of two Sections, the Grants Management and Contract/Purchasing Sections. The Grants Management Section is responsible for **\$115 million** in grants to **55** for local health departments. The Section consults with program staff to prepare allocations in order for local health departments to process annual plans and budgets. The Branch ensures that state and federal funds are allocated in accordance with the DPH's administrative policy and federal guidelines.

The Grants Management Section consolidates the grant allocation and payments functions for the Department. Last year the Section processed **4,495** grants, which required **12,704** payments to local health departments. Staff provides monthly Grants/Payments Authorized Reports, closeout reports on contracts and provides technical support to local health departments on allocations, payments and contracts. A new tracking system for contractual agreements has been implemented to assure that contracts and agreements are processed in a timely manner. In addition, training was provided to all program staff on the process of initiating and modifying contracts and agreements in MARS.

The Contract/Purchasing Section consolidates purchasing and contract management functions. This Section plans and directs all Personal Service Contracts (PSC) and Memorandum of Agreements (MOA). This year DPH has 25 PSCs totaling **\$7,805,476** and MOAs totaling **\$12,158,897.70**. In March 2001, the newly formed Emergency Medical Section (EMS) Board assumed the EMS services that had been a part of DPH.

The Branch also maintains the Title VI program, which covers the public's rights to access to vital statistics and coordinates the Physician Liability Insurance Program for the five (5) physicians and other administrators in DPH. Other functions performed by the Branch include:

- Equal Employment Opportunity (EEO)
- Americans with Disabilities Act (ADA)
- Coordinating moving telephone and minor construction projects with the building superintendent

BIRTH AND DEATH STATISTICS IN KENTUCKY

Table I. Resident Live Births by Age of Mother - 2002

Age of Mother	Number of Live Births	% of Live Births	Birth Rate per 1,000 Female Population*
Less than 15 Years	109	0.2	0.8
15 to 17 Years	2,050	3.8	25.1
18 to 19 Years	4,799	8.9	74.5
20 to 24 Years	17,068	31.7	123.8
25 to 29 Years	14,577	27.1	111.3
30 to 34 Years	10,362	19.3	71.2
35 to 39 Years	4,050	7.5	26.2
40 to 44 Years	722	1.3	4.4
45 Years and Older	24	0.0	0.2
Unknown	16	0.0	0.0
Total	53,777	100.0	13.1

***Less than 15 per 1,000 female pop. ages 10-14; 45 & older per 1,000 female pop. ages 45-49; all other ages per 1,000 female pop. in specified age group. Total (crude birth rate) is per 1,000 total population.**

Table II. Resident Deaths by Cause of Death - 2002

Cause of Death	Number of Deaths	% of Total Deaths	Age-adjusted Death Rate*
Diseases of Heart	11,598	28.7	290.0
Malignant Neoplasms	9,375	23.2	227.4
Cerebrovascular Diseases	2,533	6.3	64.3
Chronic Lower Respiratory Diseases	2,382	5.9	58.9
Unintentional Injuries	2,073	5.1	50.8
Diabetes Mellitus	1,257	3.1	31.0
Influenza and Pneumonia	1,223	3.0	31.2
Alzheimer's Disease	1,007	2.5	26.1
Nephritis, Nephrotic Syndrome & Nephrosis	813	2.0	20.4
Septicemia	603	1.5	15.0
All Other	7,514	18.6	123.7
Total	40,378	100.0	1002.2

* Age-adjusted death rate per 100,000 population; adjusted to the year 2000 U.S. standard population.

Sources: 2002 Vital Statistics Birth and Death Files

Health Department Services

Mandated Services Required of all Public Health Departments	
Seven Core Services Required by Statute or Regulation	Preventive Services for Specific Populations from Appropriated Funds
Enforcement of Public Health Regulations Surveillance of Public Health Communicable Disease Control Public Health Education Public Health Policy Families and Children Risk Reduction Disaster Preparedness	Family Planning Prenatal Care Well Child Care Women, Infants, and Children Adult Preventive Services Chronic Disease Monitoring and Support

The services listed above are required for all health departments. The authority for core activities exists in the Commonwealth of Kentucky's statutes or regulations. The authority for preventive services is found in state budget language and in grants and contracts with agencies of the United States Public Health Service. These preventive patient services were added as state and federal governments appropriated the funds.

Local Option Services Provided after Mandated Services are Assured

Other Population-Based Services
(Negotiated Services)

Other Services for Individuals
(Negotiated Services)

Local health departments at their discretion offer **Local Option Services**. Statute or regulation permits but does not mandate these services. Health departments participating in these activities are expected to be able to compete in the medical marketplace without requiring support from state-appropriated funds. If a community elects to subsidize these services after mandated services have been adequately funded, that is the community's prerogative.

**ACTUAL SOURCES AND EXPENDITURES OF FUNDS BY DIVISION
FISCAL YEAR 2002**

Division	Division Totals	<u>SOURCES OF FUNDS</u>			
		General Funds	Restricted Agency Fund	Federal Funds	Tobacco Funds
Adult & Child Health	\$ 147,632,366	\$ 22,599,300	\$ 8,043,244	\$ 102,783,068	\$ 14,206,754
General Health Support (includes Resource Management, Local Health Dept. Operations, & Commissioner's Office)	\$ 40,981,841	\$ 18,790,200	\$ 21,110,834	\$ 1,080,807	\$ -
Epidemiology & Health Planning	\$ 27,663,595	\$ 8,015,300	\$ 1,969,974	\$ 15,689,412	\$ 1,988,909
Laboratory Services	\$ 5,346,432	\$ 4,298,200	\$ 1,048,232	\$ -	\$ -
Public Health Protection & Safety	\$ 9,802,060	\$ 3,832,000	\$ 4,733,337	\$ 1,236,723	\$ -
TOTAL	\$ 231,426,294	\$ 57,535,000	\$ 36,905,621	\$ 120,790,010	\$ 16,195,662
% of Funds/Expend.	100%	24.9%	15.9%	52.2%	7.0%
Division	Division Totals	<u>EXPENDITURES</u>			
		Personnel	Operating Expenses	Grants/Loans/ Benefits	Capital Outlay
Adult & Child Health	\$ 147,632,366	\$ 10,171,186	\$ 1,671,458	\$ 135,789,722	\$ -
General Health Support (includes Resource Management, Local Health Dept. Operations, & Commissioner's Office)	\$ 40,981,841	\$ 6,896,940	\$ 1,085,623	\$ 32,986,777	\$ 12,500
Epidemiology & Health Planning	\$ 27,663,595	\$ 8,395,496	\$ 8,585,299	\$ 10,648,489	\$ 34,310
Laboratory Services	\$ 5,346,432	\$ 2,794,441	\$ 2,551,991	\$ -	\$ -
Public Health Protection & Safety	\$ 9,802,060	\$ 4,374,965	\$ 1,259,466	\$ 4,167,629	\$ -
TOTAL	\$ 231,426,294	\$ 32,633,029	\$ 15,153,838	\$ 183,592,617	\$ 46,810
% of Funds/Expend.	100%	14.1%	6.5%	79.3%	0.0%

